



Appendix B

Volume to Weight Conversion Factors for Waste Materials

Material	Volume	Weight (lbs)
Automotive		
Tire, car	1 tire	12
Tire, truck	1 tire	60
Used motor oil	1 gallon	7
Glass		
Glass, whole bottles	1 full grocery bag	16
Glass, uncrushed to manually broken	55-gallon drum	125-500
Glass, whole bottles	1 cubic yard	600-1,000
Glass, semi-crushed	1 cubic yard	1,000-1,800
Glass, crushed	1 cubic yard	800-2,700
Metals		
Aluminum cans	1 full paper grocery bag	1.5
Aluminum cans	1 55 gallon plastic bag	13-20
Aluminum cans	1 cubic yard	50-74
Ferrous cans, whole	1 cubic yard	150
Ferrous cans, flattened	1 cubic yard	850
Organics		
Fats, solid/liquid	55 gallon drum	400-410
Grass clippings	1 cubic yard	400-1,500
Leaves, uncompacted	1 cubic yard	250-500
Leaves, compacted	1 cubic yard	320-450
Leaves, vacuumed	1 cubic yard	350
Pallets	1 cubic yard	30-100
Wood chips	1 cubic yard	500
Paper		
Computer paper, loose	1 cubic yard	655
Computer paper, baled	1 cubic yard	1,310
Corrugated cardboard, loose	1 cubic yard	300
Corrugated cardboard, baled	1 cubic yard	1,000-1,200
Newsprint, loose	12 inch stack	35
Newsprint, loose	1 cubic yard	360-800
Newsprint, baled	1 cubic yard	
Newsprint, compacted	1 cubic yard	720-1,000
Office paper, loose, flat	1 cubic yard	375-465
Office paper, baled	1 cubic yard	755-925
Plastics		
HDPE (#1) milk jugs, whole	1 cubic yard	24
HDPE (#1) milk jugs, compacted	1 cubic yard	270
HDPE milk jugs, baled	32" x 60" bale	400-500
HDPE mixed, baled	32" x 60" bale	900
PET soda bottles, whole	1 cubic yard	30-40
PET soda bottles, whole	Gaylord box	40-53
PET soda bottles, baled	32" x 60 "	500-550
Mixed PET and HDPE (dairy, whole)	1 cubic yard	49

Source: Business Guide for Reducing Solid Waste, U.S. EPA, 1994; National Recycling Coalition Measurement Standards and Reporting Guidelines, 1989.